

## ABSTRACT

### DNA REPAIR POLYPEPTIDES AND METHODS OF USE

The present invention provides polypeptides having pyrimidine glycosylase activity, preferably, pyrimidine glycosylase/AP lyase activity. The polypeptides include a targeting sequence, preferably an exogenous target sequence. The invention includes polynucleotides that include a coding sequence encoding the polypeptides of the present invention. Also provided by the invention are methods of using the polypeptides.

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